

Title (en)  
PROCESS FOR THE PREPARATION OF A GAS PHASE OXIDATION CATALYST WITH DEFINED VANADIUM OXIDE PARTICLE SIZE DISTRIBUTION

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES GASPHASENOXIDATIONS-KATALYSATORS MIT DEFINIERTER VANADIUMOXID-TEILCHENGRÖSSENVERTEILUNG

Title (fr)  
PROCEDE POUR LA PREPARATION D'UN CATALYSEUR D'OXYDATION EN PHASE GAZEUSE A REPARTITION GRANULOMETRIQUE D'OXYDE DE VANADIUM DEFINIE

Publication  
**EP 1670741 B1 20100303 (DE)**

Application  
**EP 04765590 A 20040924**

Priority  
• EP 2004010749 W 20040924  
• DE 10344846 A 20030926

Abstract (en)  
[origin: WO2005030692A1] A method for production of a catalyst for gas phase oxidations is disclosed, whereby a suspension of TiO<sub>2</sub> and V<sub>2</sub>O<sub>5</sub> particles is applied to a fluidised inert support, wherein at least 90 vol. % of the V<sub>2</sub>O<sub>5</sub> particles have a diameter of 20 µm or less and at least 95 vol. % of the V<sub>2</sub>O<sub>5</sub> particles have a diameter of 30 µm or less. The defined particle size distribution of the V<sub>2</sub>O<sub>5</sub> permits a high coating efficiency.

IPC 8 full level  
**C07C 51/265** (2006.01); **B01J 23/00** (2006.01); **B01J 23/22** (2006.01); **B01J 27/198** (2006.01); **B01J 37/02** (2006.01); **C07C 51/31** (2006.01); **B01J 35/02** (2006.01)

CPC (source: EP KR US)  
**B01J 21/06** (2013.01 - KR); **B01J 23/002** (2013.01 - EP US); **B01J 23/22** (2013.01 - EP KR US); **B01J 27/198** (2013.01 - EP US); **B01J 37/0221** (2013.01 - EP US); **C07C 51/265** (2013.01 - EP KR US); **C07C 51/313** (2013.01 - EP US); **B01J 35/40** (2024.01 - EP US); **B01J 37/0219** (2013.01 - EP US); **B01J 2523/00** (2013.01 - EP US)

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US9656983B2; US9765046B2

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